

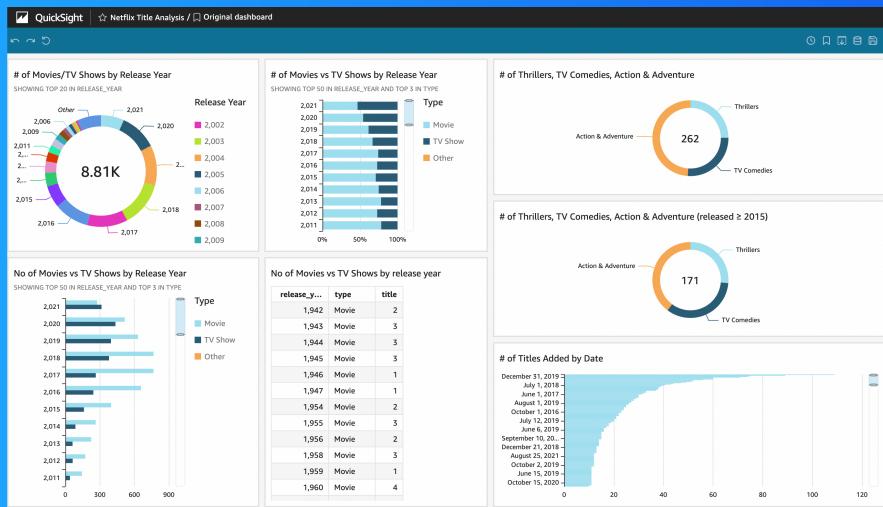


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Visualize data with QuickSight



khushinewgrad@gmail.com



Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based BI service that simplifies data analysis and visualization. It's scalable, integrates with multiple data sources, offers fast insights, and supports sharing dashboards easily.

How I used Amazon QuickSight in this project

I uploaded a dataset into an S3 bucket, created an account on Amazon QuickSight, connected my dataset in the S3 bucket to Amazon QuickSight, created a variety of graphs, charts and analysis using QuickSight and published a dashboard full of insights!

One thing I didn't expect in this project was...

The variety of graphs available and no option to undo if I moved something by mistake.

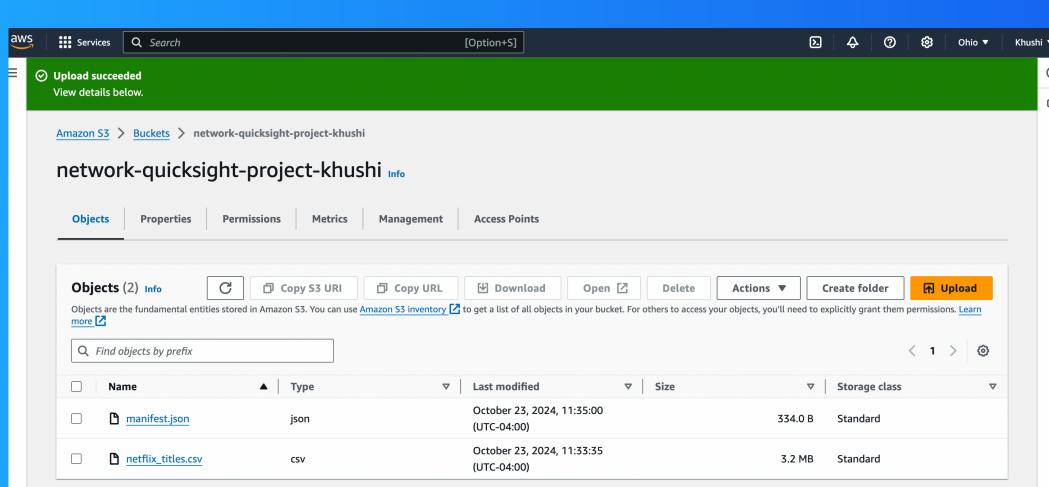
This project took me...

The project took me about 30 mins to finish.

Upload project files into S3

S3 is used in this project to store two files, which are netflix_titles.csv and manifest.json.

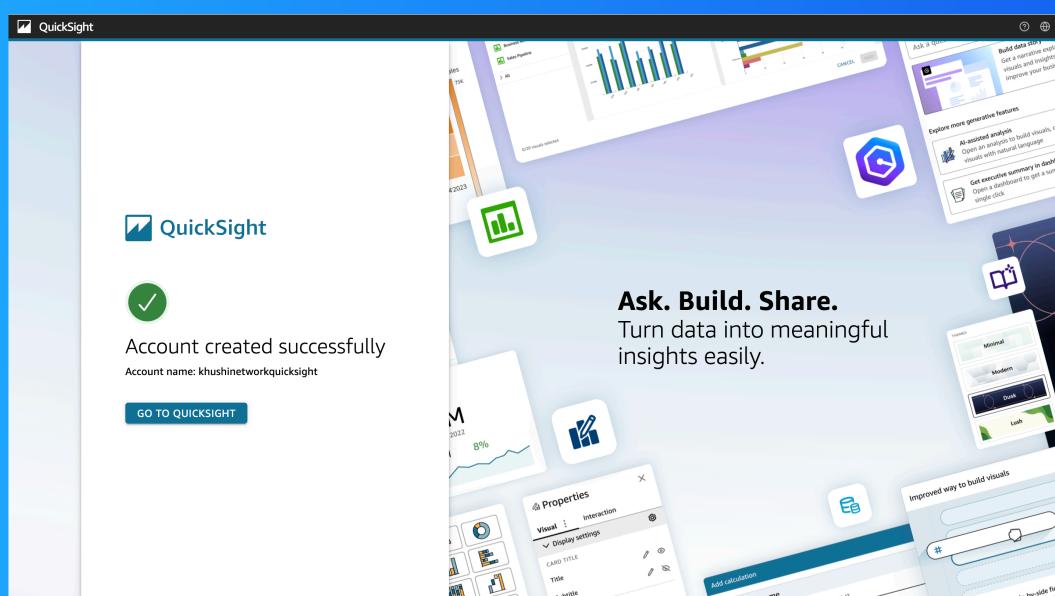
I edited the manifest.json file by replacing the older file location of netflix_titles in the json with the URL of the uploaded csv file in the S3. It's imp to edit this file in order to keep the file locations and contents updated and synced in S3.



Create QuickSight account

Creating a QuickSight account cost me nothing!

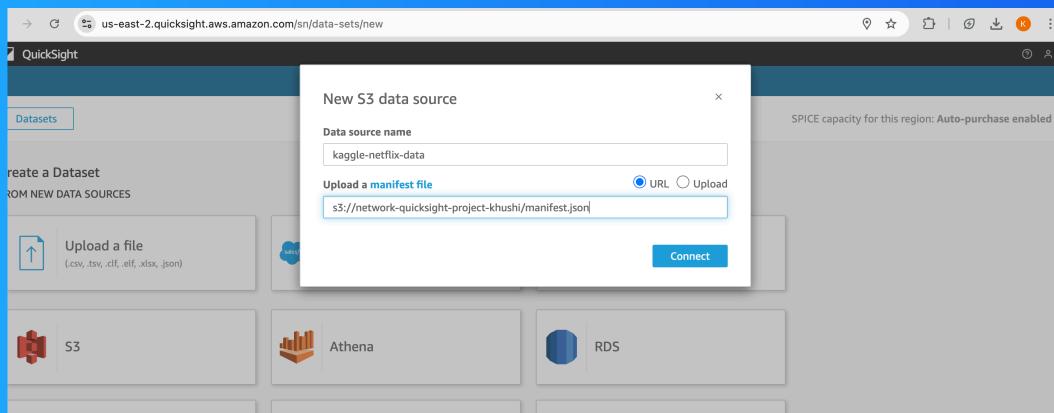
Creating an account took me about 2 minutes!



Download the Dataset

I connected the S3 bucket to QuickSight by visiting the Dataset page in the left navigation bar.

The manifest.json file was important in this step because it tells QuickSight what the dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs.

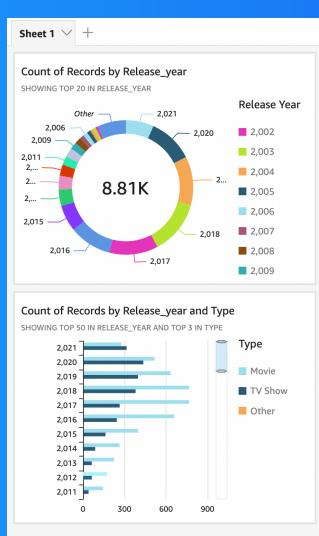


My first visualization

To create visualizations on QuickSight, I dragged different data fields into the graph.

The pie chart shown here is a breakdown of count of records by release year of different shows on netflix whereas the double bar graph shows the count of records by release year along with the types of shows released on netflix.

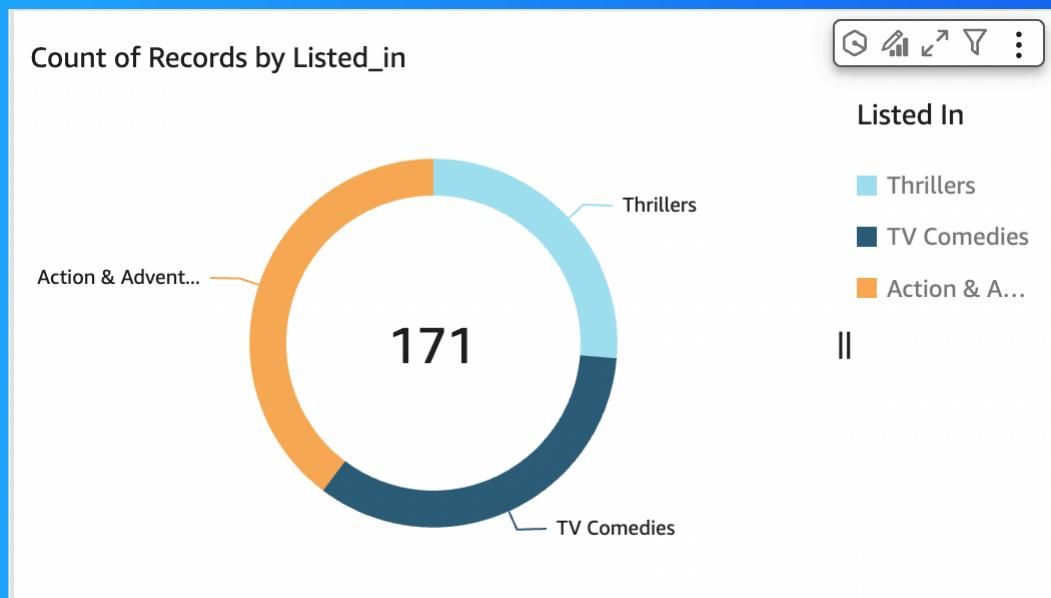
I created this pie chart by dragging and dropping the "Release_year" field into the y-axis and choosing a pie-chart from the visualization field and also created the bar graph by dragging "type" in the group/color field along with the "release-year".



Using filters

Filters are useful because they allow users to focus on specific subsets of data by narrowing down reports and dashboards to relevant information. They help in creating targeted insights, improving analysis and enabling customized views!

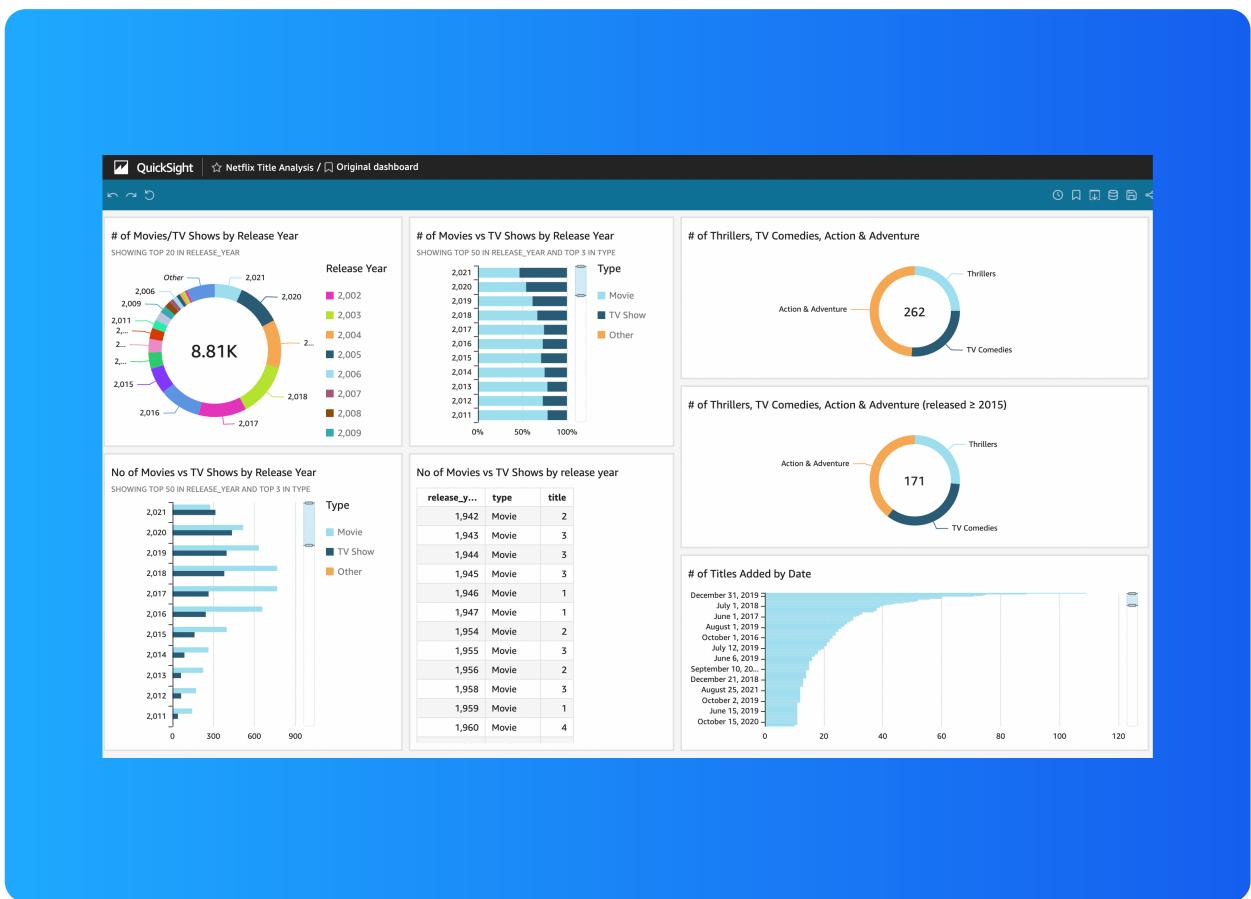
This visualization is a breakdown of number TV shows and movies with the listing as Action & Adventure, TV Comedies or Thrillers that were released on 2015 or after on Netflix. Here I added filters by clicking on the 3 dots for the listed_in field.



Setting up a dashboard

As a finishing touch, I changed the title for each visualization to make it more understanding at a glance!

Did you know you could export your dashboard as PDFs too? I did this by clicking on the export icon in the top right corner of my dashboard and choosing the generate pdf option.





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